

Message Text

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PAGE 01 TOKYO 07513 261546Z
ACTION OES-07

INFO OCT-01 EA-10 ISO-00 ACDA-12 CIAE-00 INR-10 IO-13
L-03 NSAE-00 EB-08 NRC-05 SOE-02 DODE-00 DOE-15
SS-15 SP-02 CEQ-01 NSCE-00 SSO-00 ICAE-00 INRE-00
PA-01 DOEE-00 TRSE-00 OMB-01 /106 W
-----058864 261552Z /41
O 261513Z APR 78
FM AMEMBASSY TOKYO
TO SECSTATE WASHDC IMMEDIATE 7434

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E.O. 11652: N/A
TAGS: PFOR, TECH, ENRG, JA
SUBJECT: SCIENCE AND TECHNOLOGY SUBJECT PROPOSED FOR
PRIME MINISTER'S MEETING WITH PRESIDENT

REF: TOKYO 7421

1. OHTA OF FOREIGN MINISTRY INFORMED EMBASSY THAT
"PHOTOSYNTHESIS" PROCESS MENTIONED IN REFTEL IS PROCESS
INVOLVING DIRECT BIOCHEMICAL REDUCTION BY ENZYME OF
HYDROGEN IONS FORMED IN SOLAR IRRADIATION OF
CHLOROPLASTS--A MODIFICATION OF ONE OF FIRST CHEMICAL
REACTIONS THAT TAKE PLACE IN CONVERTING WATER AND CARBON
DIOXIDE TO ORGANIC MATERIAL IN PLANTS. PRODUCT IS
HYDROGEN GAS WHICH CAN BE USED AS ENERGY SOURCE. PROCESS
IS SAID TO BE UNDER STUDY AT U.S. SOLAR ENERGY RESEARCH
INSTITUTE.

2. EMBOFF AGAIN EMPHASIZED THAT CONSIDERABLE CONFUSION
COULD RESULT IF PRIME MINISTER ATTEMPTED TO TALK ABOUT
SPECIFIC PROJECTS OF SUCH COMPLEXITY. OHTA AGREED AND
SAID THAT MOFA WOULD TRY TO INSURE THAT STATEMENTS MADE
PUBLICLY OR TO PRESIDENT BY FUKUDA WOULD BE GENERAL IN
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NATURE.

3. OHTA ALSO REPORTED THAT MITI HAD LEARNED OF
PHOTOSYNTHESIS FUNDING PROPOSAL, WAS INCENSED, AND WAS
DEMANDING THAT FUNDS BE APPLIED TO OTHER SOLAR ENERGY
R&D PROGRAMS. HE ALSO CONFIRMED THAT MINISTRY OF
FINANCE APPROVAL HAD NOT YET BEEN OBTAINED, ALTHOUGH

FUKUDA WAS CERTAIN THAT THIS WOULD BE DONE IN TIME. AS
CONSEQUENCE, FUKUDA WILL MAKE NO MENTION OF MAGNITUDE
OF FUNDING FOR ANY COOPERATIVE PROJECTS AND MAY NOT
EVEN PROPOSE JOINT FUNDING AS A GENERAL PRINCIPLE.
MANSFIELD

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: PHYSICS, BRIEFING MATERIALS, MINISTERIAL VISITS, DIPLOMATIC DISCUSSIONS
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Copy: SINGLE
Draft Date: 26 apr 1978
Decaption Date: 01 jan 1960
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Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
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Disposition Date: 20 Mar 2014
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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Litigation Codes:
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Original Handling Restrictions: n/a
Original Previous Classification: n/a
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